

Contact

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(LinkedIn)

Top Skills

Engineering

Software

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Vatsa Patel

SWE Intern @ 3DRoomSpace | Pursuing Master's in CS
San Francisco Bay Area

Summary

Hi, I am Vatsa Patel. I am someone with a profound passion for solving problems through software. With strong fundamentals in CS, I like to work on software solutions that can scale. I have had the chance to work on many diverse domains and can wear multiple hats.

Highlights:

- Developed a Slack plugin application that helps combat abusive conduct at a workplace backed by a Multi-Label classifier using Neural Net. Currently used by the IBM research team.
- Developed Learning & Management Platform for my undergrad University in which lead & mentored a team of 5 engineers.
- My UI & UX interface designs that have been featured on Dribbble.
- Ideated a Startup at Qualcomm Labs incubator which was selected in the top 10 startup ideas out of thousands of applicants.
- Won the Gold medal at the International level in Football representing India at the South Asian Games 2014.
- Submitted and got invited to present my research paper in IEEE on Federated Learning - Privacy Enhanced Collaborative Machine Learning.

Experience

3D Room Space Inc

Software Engineer Intern

May 2020 - August 2020 (4 months)

Los Angeles, California, United States

- Developed the core services for the rental platform to automate leasing and easily secure medium-term rentals.
- Architected and migrated backend to a scalable Kubernetes environment.

Tech Stack: GCP Cloud run, Kubernetes Engine | Node, GraphQL | React Native, React, Gatsby

Freelance Software Engineer

Software Engineer

May 2020 - July 2020 (3 months)

San Francisco Bay Area

- UniversityEats: Building service using Plaid to automatically analyze spendings from all linked banks and provide insights.
- Built a CLI tool for a client to tag and push docker images to multiple Container Registries with multiple login management integrating with their internal system.
- PodSource, SF: Helped move to a scalable serverless architecture reducing monthly bills by 72%.
- Project Bacchus, NY: Helped move to a serverless architecture and built Home Feed, in-app messaging & dashboard.
- Wetherbee's Unofficial: Refactored old React-Native app and added features to take Quiz, View Flashcards, Watch Learning content, take notes. Also created an Admin panel using Django to curate content.

A D Patel Institute of Technology

2 years 2 months

Software Engineer

August 2017 - September 2018 (1 year 2 months)

Learning Management System:

- Designed & developed a platform that automates and solves existing paper-based problems of Class Scheduling, Information sharing, Evaluations, Asset Management in which lead & mentored team of 5 engineers.
- Engineered highly-available backend services that are architected to scale even on low-end hardware.
- Deployed an in-house private Cloud cluster using OpenStack that can scale-up or scale-down based on load also providing IaaS for other student projects.
- Created a custom network authentication service integrating with internal IAM and auto-assigning bandwidth and QoS based on access level.
- Designed UI/UX interface designs that got featured on Dribbble.

bit.ly/2TMf0n0

Tech Stack: React, React Native, Electron | NodeJS, Golang | MemSQL, HBase, Aerospike.

Software Engineer

August 2016 - March 2018 (1 year 8 months)

ADIT Alumni Hub • alumni.adit.ac.in

- Designed & Developed a social platform from scratch to allow Alumni to reconnect with each other, discover other alumni in the same region and profession, share jobs & events.
- Got 6,400 users within the first 3 months.
- Built ETL setup for highly inconsistent student data from 10+ data sources, implemented Data Mining techniques to integrate data of more than 17000 students into a single database.

Tech Stack: React, JQuery | PHP, NodeJS | MySQL, Memcached

Smarq Technologies

Founded a Smart Home startup

November 2015 - May 2016 (7 months)

- Ideated a Startup at Qualcomm Labs incubator for which was selected in the top 10 startup ideas out of thousands of applicants.
- Envisioned & Designed a tightly-knit ecosystem of smart sensors capable of various automation sequences within a home based on local location of user.
- USP: Smarq Sense - A smart system that generates ever-adapting automation sequences for each user.

Purva Couture

Software Engineer

April 2015 - December 2015 (9 months)

- Single-handedly developed a Business Operations system that managed from Sales to Production to Deliveries handling 700+ clients & revenue of \$1M+.

Education

San Jose State University

Master's degree, Computer Software Engineering · (2019 - 2021)

Gujarat Technological University

Bachelor of Engineering - BE, Computer Science · (2015 - 2019)